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U.S. Patent Application Serial No. 10/565,156
Response to OA dated May 12, 2008

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A probe comprising:

an almost rectilinear contact part; and

a base end continued to the contact part,

characterized in that said contact part comprises:

a base part being formed of a first metal material having a first thermal expansion coefficient and including a tip end, the tip end being adapted to contact an electrode of an object to be measured almost perpendicularly and scrub the electrode, and

~~an almost rectilinear a junction part which is formed of a second metal material having a second thermal expansion coefficient different from that of the first metal material and provided integrally and longitudinally along a widthwise end of the base part exclusive of the tip end, said junction part having a width of the base part,~~

~~and in that said contact part is curved when a temperature of the contact part changes deformed in a direction almost perpendicular to the longitudinal direction of said base part due to respective thermal expansion of said base part and said junction part.~~

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Claim 2 (Currently Amended): A probe comprising:

an almost rectilinear contact part; and

a base end continued to the contact part,

characterized in that said contact part comprises:

a base part being formed of an elastic metal material and including a tip end, the tip end being adapted to contact an electrode of an object to be measured almost perpendicularly and scrub the electrode, and

a junction part which is integrally provided along at a widthwise end of said base part exclusive of the tip end, said junction part having a width of the base part,

in that said junction part is formed of a shape memory alloy which can be expanded or contracted in a longitudinal direction of said base part,

and in that said contact part is curved when a temperature of the contact part changes deformed in a direction almost perpendicular to the longitudinal direction of said base part due to deformation of said junction part.